

BARRIER REINFORCING DETAILS

11/2" chamfer

BARRIER DETAIL

STATE PROJECT NUMBER SHEET NO.
MONTANA

NOTES

<u>PLACEMENT:</u> Do not place concrete barrier for at least 72 hours after concrete in slab has taken initial set.

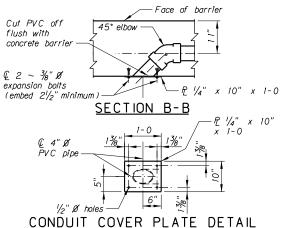
<u>REFLECTORS:</u> Place a white reflector on top of concrete barrier at 30-0 spacing between ends of barrier. See Dtl. Dwg. No. 606-60 for reflector detail. Include the cost of reflectors in the unit price bid for Barrier Rail – Cast in Place – Br.

<u>PAY MENT:</u> Include all costs associated with reinforcing steel in the barrier in the unit price bid for Reinforcing Steel - Epoxy Coated. Include all other costs associated with the barrier in the unit price bid for Barrier Rall - Cast in Place - Br. See Specifications.

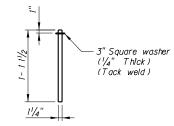
EXCEPTIONS: Use details shown on this drawing only as they apply to the project. Anchorage details may vary. Refer to to other drawings for variations in these details.

 $\underline{\it RAIL\ WEIGHT}$: For informational purposes only, the rail weight is approximately 355.0 lb/ft.

 $\underline{PVC\ CONDUIT\ PIPE:}$ Omit 4" $\varnothing\ PVC\ conduit\ pipe\ in\ barrier\ on\ interstate\ structures.$



NOTE: Galvanize plates in accordance with AASHTO M III. Galvanize expansion bolts, nuts and washers in accordance with ASTM A 653 or AASHTO M III.



CONNECTING PIN DETAIL

NOTE: Use connecting pins conforming to AASHTO M 270, Grade 36.



DRAWN 3-3-08 T.J.B.

CHECKED 3-12-08 D. J. R.

APPROVED 3-26-08 D. F. J. REVISED 2-1-11 D. F. J.

1-2-12

REVISED

CONDUIT EXPANSION JOINT DETAIL

Montana Department of Transportation

STANDARD BRIDGE RAIL TYPE BARRIER

No Scale

STD REF BRR112. STD

DRAWING NO. SBR-BRR